

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : NIPPON OIL & FATS CO LTD

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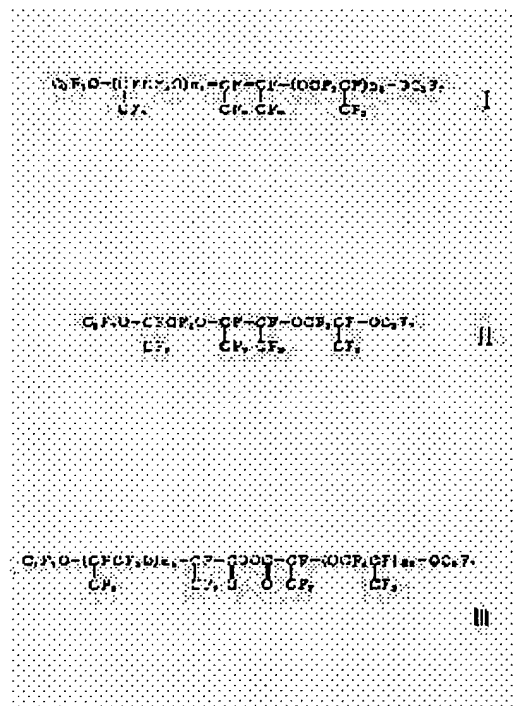
(72)Inventor : SAWADA HIDEO  
MATSUMOTO TAKEO  
NAKAYAMA MASA HARU

## (54) PERFLUOROPOLYETHER DERIVATIVE

### (57)Abstract:

**PURPOSE:** To obtain a new compound, useful as a lubricant for semiconductor process devices, spaceships, artificial satellites, magnetic media, atomic energy, etc., and a raw material for cosmetics and excellent in solvent, oxidation, chemical and heat resistances, nontoxicity, electrical insulating properties, etc.

**CONSTITUTION:** A compound expressed by formula I [m1 and m2 are 0-8, provided that (m1+m2) is  $\geq 1$ ], e.g. a compound expressed by formula II. The aforementioned compound expressed by formula I is obtained by carrying out thermal decomposing reaction of a dipolyfluoroalkanoyl peroxide expressed by formula III (preferably diperfluoro-2,5-dimethyl-3,6-dioxanonanoyl peroxide, diperfluoro-2,5,8-trimethyl-3,6,9-trioxadodecanoyl peroxide, diperfluoro-2,5,8,11-tetramethyl-3,6,9,12-tetraoxapentadecanoyl peroxide, etc.) at 0-100°C, etc.



## LEGAL STATUS

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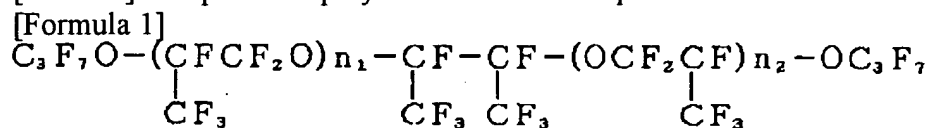
CLAIMS

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[Claim(s)]

[Claim 1] The perfluoropolyether derivative expressed with the following general formula-ization 1.

[Formula 1]



(式中 $n_1$ 及び $n_2$ は、0～8の整数を示す。但し、 $n_1+n_2 \geq 1$ である)